AMENDMENT (S) TO THE CLAIMS

- 1. (currently amended) An optical fiber coupling unit comprising an optical fiber and a sleeve, which the sleeve having a planar surface adjacent to its circumferential surface and an end face, the sleeve being is arranged on an end portion of the optical fiber and sometimes with the end face terminating flush with the associated extreme an end of the optical fiber, so that on the ene extreme end there is formed thereby forming a coupling face, with which so that the optical fiber coupling unit can be placed onto an optical waveguide component to establish an optical coupling.
- 2. (currently amended) The optical fiber coupling unit as eleimed in according to claim 1, the optical fiber being elesely surrounded by the sleeve, in particular with a distance between the optical fiber and the inner wall of the sleeve being about of 1-5 pm.
- 3. (currently amended) The optical fiber coupling unit as claimed in according to claim 1, wherein the optical fiber is being bonded to into the sleeve using an by means of adhesive.
- 4. (currently amended) The optical fiber coupling unit as slaimed in according to claim 1, wherein the continuous coupling face extends at an angle of about 82 degrees with respect to a the longitudinal axis of the optical fiber.
- 5. (currently amended) The optical fiber coupling unit as elaimed in according to claim 1, wherein the sleeve is made of a material which has having a coefficient of the mal expansion corresponding approximately to about that of the optical fiber.

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- 6. (currently amended) The optical fiber coupling unit as claimed in according to claim 1, wherein the sleeve is made of a material selected from the group of a glass and ex a ceramic material.
- 7. (currently amended) The optical fiber coupling unit as claimed in according to claim 1, wherein the sleeve having has an outside diameter of at least between about 2 mm and of at most about 10 mm.
- 8. (cancelled)
- 9. (currently amended) The optical fiber coupling unit as claimed in according to claim & 1, the planar surface extending up to the continuous coupling face.
- 10. (currently amended) The optical fiber courling unit as elaimed in according to claim 1, the optical fiber being provided with having a sheathing, by which the optical fiber is surrounded, and the end portion of the optical fiber accommodated in the sleeve having a portion being freed of the sheathing removed.
- 11. (currently amended) The optical fiber coupling unit escalaimed in according to claim 10, the sleeve having extending with a sleeve portion remote from the extreme end of the optical fiber that surrounds a portion of the sheathing ever the sheathing and preferably currounding the sheathing closely, in particular with a distance between the sheathing and the inner wall of the sleeve being about of 1-5 µm.
- 12. (currently amended) The optical fiber coupling unit as claimed in according to claim 11, the sleeve being transversely

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- 13. (currently amended) The optical fiber coupling unit as element in according to claim 10, the sleeve being provided in two parts comprising of an inner sleeve and an outer sleeve, the inner sleeve being arranged on the exposed end portion of the optical fiber, and the outer sleeve extending with a sleeve portion remote from the one extreme end of the optical fiber over a portion of the sheathing.
- 14. (currently amended) The optical fiber coupling unit as claimed in according to claim 13, the inner sleeve being bonded by means of adhesive into to the outer sleeve with an adhesive.
- 15. (currently amended) The optical fiber courling unit as claimed in according to claim 13, the inner sleeve having about the same outside diameter as the sheathing.
- 16. (currently amended) The optical fiber coupling unit as claimed in according to claim 1, the sleeve having a length of at least about 2 mm.
- 17. (currently amended) An optical waveguide a rangement comprising an optical waveguide component, in particular an optical component having a placement face, from which an optical structure extends, and an optical fiber coupling unit, the optical fiber coupling unit comprising a sleeve with having an optical fiber attached thereto, the optical fiber coupling unit having a circumferential surface adjacent to a planar surface with a coupling face on an end portion, the

10/047,569 SI01-031 Page 4 optical fiber coupling unit which is being attached so that placed with its coupling face is adjacent to against the placement face of the optical waveguide component, thereby establishing an optical coupling between the optical fiber and the optical structure, and is fastened on said placement face.

- 18. (cancelled)
- 19. (cancelled)
- 20. (cancelled)